

## **MACHINE INPUT -1**

**Study the following information carefully and answer the given questions.**

When a word and number arrangement machine is given an input line of words and numbers, it arranges them following a particular rule. The following is an illustration of Input and rearrangement. (All the numbers are two digit numbers.)

Input: 41 snow 10 eagle 97 nose 26 65 animal date

Step I: 97 41 10 eagle nose 26 65 animal date snow

Step II: nose 97 41 10 eagle 26 animal date snow 65

Step III: 41 nose 97 10 26 animal snow 65 eagle

Step IV: date 41 nose 97 10 animal snow 65 eagle 26

Step V: 10 date 41 nose 97 snow 65 eagle 26 animal

Step V is the largest step of above arrangement as the intended arrangement as the intended arrangement is obtained

As per the rules followed in the given steps, find out the appropriate steps for the Input.

Input: orange 36 59 yellow 41 exam test 12 lemon 85

1. Which element comes exactly between 85 and lake in Step III of the given input?  
a) 59                      b) yellow                      c) test  
d) orange                      e) exam
2. If in the first step, '59' interchanges its position with 'lemon' and 'orange' also interchanges its position with '12' then which element will be to the immediate left of '41'?  
a) 59                      b) orange                      c) 12  
d) exam                      e) lemon
3. Which of the following combinations represent the first two and last two elements in the step V of the given input?  
a) 41, test and orange, 36  
b) 12, lemon and 36, exam  
c) 12, lemon and orange, 36  
d) lemon, 41 and 36, exam  
e) lemon, 41 and 59, orange
4. Which of the following element is fourth to the right of the one which is ninth from the right end in step V of the given input?  
a) 36                      b) yellow                      c) 85  
d) exam                      e) 12
5. In which step are the elements 'test 85 yellow 59' found in the same order?  
a) Third                      b) Fourth  
c) Second                      d) Fifth  
e) The given order of elements is not found in any step

**Study the following information carefully and answer the given questions.**

When a word and number arrangement machine is given an input line of words and numbers, it arranges them following a particular rule. The following is an illustration of Input and rearrangement. (All the numbers are two digit numbers.)

Input: daily 79 do diverse 57 14 dear 86 63 domain 42 dog

Step I: diverse daily 79 do 57 dear 86 63 domain 42 dog 41

Step II: domain diverse daily 79 do 57 dear 86 63 dog 41 24

Step III: daily domain diverse 79 do dear 86 63 dog 41 24 75

Step IV: dear daily domain diverse 79 do 86 dog 41 do 75 36

Step V: dog dear daily domain diverse do 86 41 24 75 36 97

Step VI: do dog dear daily domain diverse 41 24 75 36 97 68

Step VI is the largest step of above arrangement as the intended arrangement as the intended arrangement is obtained

As per the rules followed in the given steps, find out the appropriate steps for the Input.

Input: table 63 tour 19 typhoon 72 25 to tea 48 tablet 56

6. Which element comes exactly between 'typhoon' and 'tour' in Step III of the given input?  
a) 63                      b) to                      c) 91                      d) table                      e) 56
7. Which of the following combinations represent the sixth and eighth element in Step II of the given input from left end?  
a) 63 and tablet                      b) tea and 63  
c) 72 and tablet                      d) 72 and tea  
e) 48 and table
8. If in the last step '2' is added to each of the odd numbers and '1' is subtracted from each of the even numbers, then how many numbers multiple of '3' will be formed?  
a) Two                      b) One                      c) None  
d) Three                      e) More than three
9. Which element is fourth to the left of one which is ninth from the left end in second last step?  
a) table                      b) 72                      c) typhoon  
d) 91                      e) tablet
10. If the Step IV, '72' interchange its position with 'table' and 'typhoon' also interchanges its position with '91' then which element will be to the immediate right of '91'?  
a) 6                      b) t                      c) 52  
d) typhoon                      e) 72

**Study the following information carefully and answer the given questions.**

When a word and number arrangement machine is given an input line of words and numbers, it arranges them following a particular rule. The following is an illustration of Input and rearrangement. (All the numbers are two digit numbers.)

Input: Apple 42 16 Egg 34 Fan Grapes 25 91 Horse

Step 1: Horse Apple 42 16 Egg 34 Fan Grapes 25 19

Step 2: Horse Grapes Apple 16 Egg 34 Fan 25 19 24

Step 3: Horse Grapes Fan Apple 16 Egg 25 19 24 43

Step 4: Horse Grapes Fan Apple 16 Egg 19 24 43 52

Step 5: Horse Grapes Fan Apple Egg 19 24 43 52 61

Step V is the last step of above arrangement as the intended arrangement as the intended arrangement is obtained as per the rules followed in the given steps, find out the appropriate steps for the Input.  
 Input: Ant 43 17 Eagle 24 Forest Gun 25 81 House

11. Which element comes exactly between '17' and '25' in Step III of the given Input?  
 a) House                      b) Gun                      c) Eagle  
 d) 18                          e) Ant
12. If in the second step, "17" interchanges its position with '25' and 'Gun' also interchanges its position with "Forest" then which element will be the second from the left end?  
 a) House                      b) Gun                      c) Eagle  
 d) 18                          e) Forest
13. Which of the following combinations represent the first two and the last two elements in Step IV of the given input?  
 a) House Gun and 52 71  
 b) House Gun and 34 42  
 c) House Gun and 34 52  
 d) House Gun and 42 52  
 e) House Gun and 42 71
14. Which element is third to the left of the one which is eighth from the left in Step III of the given Input?  
 a) 17                          b) Forest                      c) Gun  
 d) 42                          e) Eagle
15. In which step are the elements ' Ant 17 Eagle 25' found in the same order?  
 a) Third                      b) Fourth  
 c) Second                      d) Fifth  
 e) The given order of elements is not found in any step

**Directions (16-20):** A word arrangement Machine, when given a particular input, rearranges it following a particular rule. The following is the illustration of the input and the steps of rearrangement.

Input: we again 36 early 17 morning in day 7 11  
 Step I: again we 36 early 17 morning in day 7 11  
 Step II: again 36 we early 17 morning in day 7 11  
 Step III: again 36 early we 17 morning in day 7 11  
 Step IV: again 36 early 7 we 17 morning in day 11  
 Step V: again 36 early 7 in we 17 morning day 11

Step VI: again 36 early 7 in 17 we morning day 11  
 Step VII: again 36 early 7 in 17 day we morning 11  
 Step VIII: again 36 early 7 in 17 day 11 we morning  
 Step IX: again 36 early 7 in 17 day 11 morning we  
 Step IX is the last step.

16. If the following is the II step of an input what will be V step?  
 Step II: After 89 she 38 wins 11 Olympic 22 the 7  
 (1) After 89 she 7 the 22 Olympic 11 wins 38  
 (2) After 89 Olympic she 38 wins 11 22 the 7  
 (3) After 89 Olympic 7 she 38 the wins 11 22  
 (4) After 89 Olympic 7 she 38 the 11 wins 22  
 (5) None of these
17. Which of the following is the last step for the

Input 'eat 9 fast icecream 22 3 umbrella cat 5'  
 (1) cat eat 9 fast 5 icecream 22 umbrella 3  
 (2) eat 22 icecream 3 umbrella 9 cat 5 fast  
 (3) eat 22 umbrella 3 icecream 9 cat 5 fast  
 (4) eat 22 icecream 3 umbrella 5 cat 9 fast  
 (5) None of these

**For questions (18-20):**

Input 'elephant 17 free open 41 27 danger 15'

18. Which step will be the last step for the above given Input?  
 a) IV                          b) V                          c) VI  
 d) VII                          e) None of these
19. Which word/number will be at 4th from the left in step V for the given input?  
 a) 41                          b) Danger                      c) Open  
 (D) 15                          e) None of these
20. Which word/number will be 3rd to the right of "41" in step IV for the given input?  
 a) Open                      b) danger                      c) 15  
 d) 17                          e) None of these

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of an input and rearrangement given below.

Input: meditation has been used in every part of view world  
 Step I: been meditation has in every part of used view world  
 Step II: been every meditation has in of part used view world  
 Step III: been every has in meditation of part used view world  
 Step IV: mean very beans seen gun brief treat wind dew wood  
 Step V: 14 23 3 20 8 3 21 24 5 24  
 Step VI : 5 5 3 2 8 3 3 6 5 6  
 Step VI is the last step of the above arrangement.  
 As per the rules followed in the above steps, find out the answer in each of the following questions.  
 Input : Our freedom is founded on the demand for this that suffrage

**Directions (21– 25):** Answer the questions on the basis of the information given below.

A number arrangement machine when given an input of numbers/words, rearranges them following a particular rule in each step. The following is an illustration of input and steps of rearrangement.

Input: wire 40 25 color help 12 39 motion stain action 55 24  
 Step 1: actionless wire 40 25 color help 39 motion stain 55 24 14  
 Step 2: colorless actionless wire 40 help 39 motion stain 55 24 14 24  
 Step 3: helpless colorless actionless wire 40 39 motion stain 55 14 24 26

Step 4: motionless helpless colorless actionless wire 40  
 stain 55 14 24 26 38  
 Step 5: stainless motionless helpless colorless  
 actionless wire 55 14 24 26 38 42  
 Step 6: wireless stainless motionless helpless colorless  
 actionless 14 24 26 38 42 54  
 This is the final arrangement and step 6 is the last step  
 for this input.

Input: fear 15 22 humor 45 33 child 10 voice land 38  
 effort

21. How many elements are between 'effortless' and '38' in step 4?  
 a) None                      b) One                      c) Two  
 d) Three                      e) More than three
22. Which element is third to right of tenth element from the right end in step 3?  
 a) voice                      b) 45                      c) 33  
 d) effortless                      e) land
23. What is the different in numbers which is seventh from right end in step 3 and which is fourth from right end in step 6?  
 a) 10                      b) 9                      c) 7  
 d) 8                      e) 11
24. If in the Step 5, 'humorless' interchanges its position with 'childless' and '24' also interchanges its position with 'voice', then how many elements are there in between 'voice' and 'humorless'?  
 a) 5                      b) 4                      c) 2  
 d) 3                      e) None of these
25. Which of the following pair represents the first and last element in step 4?  
 a) fearless, 24  
 b) landless, 40  
 c) humorless, 32  
 d) effortless, 24  
 e) None of these

**Directions (25 – 30):** A number arrangement machine when given an input of words/numbers, rearranges them following a particular rule in each step. The following is an illustration of input and steps of rearrangement.

Input: 4 2 1 5 6 8 3 7  
 Step 1: 14 2 -1 23 34 62 7 47  
 Step 2: 5 2 -1 5 7 8 7 2  
 Step 3: 6 6 8 21 32 44 56 66  
 Step 4: 5 4 5 17 27 38 49 58  
 Step 5: 5 4 5 8 9 2 4 4  
 Step 6: 20 12 20 56 72 2 12 12

This is the final arrangement and step 6 is the last step for this input.

26. Find the multiplication of numbers which are 4th from left end and 2nd from right end in step 4?  
 a) 872                      b) 931                      c) 588  
 d) 765                      e) None of these

27. What is the sum of numbers which are 3rd from left end and 3rd from right end in step 5?  
 a) 12                      b) 14                      c) 27  
 d) 7                      e) 3
28. What is the difference in numbers which are 2nd from left end and 3rd from right end in step 6?  
 a) 6                      b) 7                      c) 9  
 d) 5                      e) -8
29. In step 6, '42' is related to '2' in the same way as in step 3, '14' is related to '32'. Then in step 2, '5' is related to what in the same way?  
 a) 2                      b) 12                      c) 7  
 d) None of these                      e) CBD
30. What are last two numbers in step 4?  
 a) 7, 4                      b) 28, 32                      c) 5, 7  
 d) 42, 64                      e) 49, 64